

Classification report

precision recall f1-score support

0	1.00	1.00	1.00	9711
1	0.26	0.64	0.38	14

accuracy			1.00	9725
macro avg	0.63	0.82	0.69	9725
weighted avg	1.00	1.00	1.00	9725

- **Precision**: accuracy of positive predictions.
 - For class 0: Precision is 1.00, indicating that all instances predicted as class 0 are actually class 0.
 - For class 1: Precision is 0.25, indicating that only 25% of instances predicted as class 1 are actually class 1.
- **Recall**: ability of model to find all positive instances.
 - For class 0: Recall is 1.00, indicating that the model correctly identifies all instances of class 0.
 - For class 1: Recall is 0.50, indicating that the model identifies only 50% of instances of class 1.
- **F1-score**: harmonic mean of precision and recall
 - For class 0: F1-score is 1.00, indicating a perfect balance between precision and recall.
 - For class 1: F1-score is 0.33, reflecting the lower precision and recall values for class 1.
- **Support**: number of instances of each class in test set.
 - 9711 instances of class 0 and 14 instances of class 1.
- **Accuracy**: measures overall correctness of model's predictions
 - 1.00, indicating that the model correctly predicts 100% of the instances.
- **Macro Average**: average of precision, recall, and F1-score across all classes; calculates metric independently for each class and then takes the unweighted mean.
- **Weighted Average**: average of precision, recall, and F1-score across all classes; calculates metric for each class and weights it by the number of true instances in each class, then takes the average.

